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S. Sund
4/29/04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant(s): Li

Application No.: 09/362521

Filed: 7/28/1999

Title: Multicast Routing

Attorney Docket No.: BA386 120-112

Assistant Commissioner for Patents
Washington, D.C. 20231Group Art Unit:
2142

Examiner: Prieto

RESPONSE AFTER FINAL

Dear Sir:

In response to the Final Office Action of January 28, 2004, entry of the below response including amendment of the claims as indicated on the attached sheets is respectfully requested.

REMARKS

Claims 1-4, 6, 7, 9-13, 15-20 and 22 are currently being examined and stand rejected. Claims 1, 13 and 17 are independent claims. Claims 1, 2 and 17 are currently amended, and claim 5 is cancelled herein. Further examination and allowance are requested.

The Examiner rejected all claims under examination under 35 USC §103 based on Deering in view of Shah. Each set of claims as amended distinguishes the cited combination. For example, claim 1 is distinguished from the combination by reciting "examining, at the multicast capable router, each link state advertisement to determine whether the link state advertisement includes a multicast capable bit indicating whether an associated router supports multicasting; employing the received link state advertisements for constructing a multicast routing table ... the multicast routing table corresponding to a short path tree